

5. (Amended) The microparticle of claim 1, wherein the polymer is poly(D,L-lactide-co-glycolide).

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Cont 6. (Amended) The microparticle of claim 1, wherein the detergent is a cationic detergent.

7. (Amended) The microparticle of claim 1, wherein the detergent is an anionic detergent.

9. (Twice Amended) The microparticle of claim 1, wherein the antigen is selected from an HIV gp120 antigen, an HIV gp160 antigen, an HIV p24gag antigen, an HIV p55gag antigen, and a Influenza A hemagglutinin antigen.

10. (Twice Amended) The microparticle of claim 1, wherein the antigen comprises a polynucleotide which encodes an HIV gp120 antigen.

B⁴ 11. (Twice Amended) The microparticle of claim 3, wherein the additional biologically active macromolecule is an immunological adjuvant.

12. (Twice Amended) The microparticle of claim 11, wherein the immunological adjuvant is an aluminum salt.

B⁵ 14. (Twice Amended) A microparticle composition comprising a microparticle according to any of claims 1, 2, 4-7, 9 and 10, a pharmaceutically acceptable excipient, and an immunological adjuvant.

B⁶ 15. (Amended) A microparticle composition of claim 14, wherein the immunological adjuvant is selected from CpG oligonucleotides, E. coli heat-labile toxin-K63 (LTK63), E. coli heat-labile toxin-R72 (LTR72), monophosphorylipid A (MPL), and an aluminum salt.

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Cont 16. (Amended) A microparticle composition of claim 15, wherein the aluminum salt is aluminum phosphate.

37 43. (Twice Amended) A microparticle comprising:
a biodegradable polymer;
a detergent selected from a cationic detergent and an anionic detergent; and
an antigen adsorbed on the surface of said microparticle.

44. (Twice Amended) The microparticle of claim 43, wherein said antigen is selected from an antigen comprising a polypeptide and an antigen comprising a polynucleotide.

45. (Amended) The microparticle of claim 44, further comprising an additional biologically active macromolecule encapsulated within said microparticle, wherein the additional biologically active macromolecule is selected from a polypeptide, a polynucleotide, a polynucleoside, an antigen, a hormone, an enzyme, and an immunological adjuvant.

B8 46. (Amended) A microparticle composition comprising a microparticle of any of claims 43-45 and a pharmaceutically acceptable excipient.

47. (Amended) A microparticle composition comprising a microparticle according to any of claims 43 and 44, a pharmaceutically acceptable excipient, and an immunological adjuvant.

52. (Amended) The microparticle of any of claims 1, 3, 4, 5, 6, 7 and 11, wherein the antigen comprises a polypeptide.

B9 53. (Amended) The microparticle of claim 52, wherein the polypeptide is selected from HIV polypeptides, hepatitis B virus polypeptides, hepatitis C virus polypeptides,

Haemophilus influenza type B polypeptides, pertussis polypeptides, diphtheria polypeptides, tetanus polypeptides, and influenza A virus polypeptides.

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54. (Amended) The microparticle of any of claims 1, 3, 4, 5, 6, 7 and 11, wherein the antigen comprises a polynucleotide.

56. (Amended) The microparticle of claim 54, wherein the antigen comprises a plasmid DNA molecule.

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57. (Amended) The microparticle of claim 54, wherein the polynucleotide encodes a polypeptide selected from HIV polypeptides, hepatitis B virus polypeptides, hepatitis C virus polypeptides, *Haemophilus influenza* type B polypeptides, pertussis polypeptides, diphtheria polypeptides, tetanus polypeptides, and influenza A virus polypeptides.

Please add new claims 69-90 as follows:

69. (Newly added) The microparticle of any of claims 1, 2, 3, 4, 5, 6, 7 and 11, wherein said antigen is not entrapped within said microparticle.

70. (Newly added) The microparticle of any of claims 1, 2, 3, 4, 5, 6, 7 and 11, wherein said detergent is incorporated into said microparticle in a double emulsion process.

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71. (Newly added) The microparticle of any of claims 1, 2, 3, 4, 5, 6, 7 and 11, wherein said antigen is derived from a pathogenic organism.

72. (Newly added) The microparticle of claim 71, wherein said pathogenic organism is a bacterium.

73. (Newly added) The microparticle of claim 71, wherein said pathogenic antigen is a virus.

74. (Newly added) The microparticle of any of claims 1, 2, 3, 4, 5, 6, 7 and 11, wherein said antigen is selected from HIV antigens, hepatitis B virus antigens, hepatitis C virus antigens, *Haemophilus influenza* type B antigens, pertussis antigens, diphtheria antigens, tetanus antigens and influenza A virus antigens.

75. (Newly added). The microparticle of any of claims 1, 2, 3, 4, 5, 6 and 11, wherein the antigen is a negatively charged antigen.

76. (Newly added) The microparticle of any of claims 1, 2, 3, 4, 5, 7 and 11, wherein the antigen is a positively charged antigen.

77. (Newly added) The microparticle of any of claims 1, 2, 3, 4, 5, 6, 7 and 11, wherein the microparticle has a diameter between 500 nanometers and 10 microns.

78. (Newly added) The microparticle of any of claims 2, 3, 6, 7, and 11, wherein the polymer is poly(D,L-lactide-co-glycolide).

79. (Newly added) The microparticle composition of claim 13, wherein said microparticle composition is an injectable composition.

80. (Newly added) The microparticle composition of claim 14, wherein said microparticle composition is an injectable composition.

81. (Newly added) A microparticle composition comprising a microparticle of claim 52 and a pharmaceutically acceptable excipient.

82. (Newly added) The microparticle composition of claim 81, wherein said microparticle composition is an injectable composition.

83. (Newly added) A microparticle composition comprising a microparticle of claim 53 and a pharmaceutically acceptable excipient.

84. (Newly added) The microparticle composition of claim 83, wherein said microparticle composition is an injectable composition.

85. (Newly added) A microparticle composition comprising a microparticle of claim 54 and a pharmaceutically acceptable excipient.

86. (Newly added) The microparticle composition of claim 85, wherein said microparticle composition is an injectable composition.

87. (Newly added) A microparticle composition comprising a microparticle of claim 57 and a pharmaceutically acceptable excipient.

88. (Newly added) The microparticle composition of claim 87, wherein said microparticle composition is an injectable composition.

89. (Newly added) A microparticle composition comprising a microparticle of claim 71 and a pharmaceutically acceptable excipient.

90. (Newly added) The microparticle composition of claim 89, wherein said microparticle composition is an injectable composition.

Please delete claims 17-19, 21-42, 48-51, 55 and 60-68 without prejudice or disclaimer.